

ABSTRACT OF THE DISCLOSURE

This invention relates to the use of recombinant adeno-associated virus (rAAV) vectors to transduce cardiomyocytes *in vivo* by infusing the rAAV into a coronary artery or coronary sinus. rAAV infection is not associated with detectable myocardial inflammation or myocyte necrosis. Thus, rAAV is a useful vector for the stable expression of therapeutic genes in the myocardium and can be used to deliver genes for inducing angiogenesis, inhibiting angiogenesis, stimulating cell proliferation, inhibiting cell proliferation and/or treating or ameliorating other cardiovascular conditions.

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